

## SWP Water Quality Summary

May 28 to June 4, 2008

**Total Dissolved Solids:** TDS increased at Banks Pumping Plant (BPP), Devil Canyon, and Vallecitos, but decreased at Check 41 and Barker Slough. Concentrations ranged from 183 mg/L to 307 mg/L (305 uS/cm to 512 uS/cm) and remained below the Article 19 Monthly Average Objective of 440 mg/L. As of June 4, 2008, the highest concentration of 307 mg/L (512 uS/cm) occurred at BPP while the lowest concentration of 183 mg/L (305 uS/cm) occurred at Barker Slough. Concentrations increased this week at BPP from 244 mg/L to 307 mg/L (407 uS/cm to 512 uS/cm), probably due to reduced pumping at BPP and low flows at Vernalis.

**Bromide:** Concentrations remain above the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L project wide, ranging from 0.11 mg/L to 0.27 mg/L. As of June 4, Barker Slough had the lowest concentration of 0.11 mg/L, followed by Vallecitos with 0.22 mg/L while the highest concentration of 0.27 mg/L occurred at BPP. Concentration at BPP increased from 0.19 mg/L to 0.27 mg/L this week.

**Turbidity:** Turbidity levels increased from 19 to 30 NTU at BPP, 1 to 2 NTU at Devil Canyon and from 105 to 107 NTU at Barker Slough, but decreased from 27 to 18 NTU at Vallecitos, respectively, as of June 4, 2008.

**Dissolved Organic Carbon:** Concentrations increased slightly at Check 13 and Edmonston over the week, ranging from a daily mean DOC of 2.3 mg/L to 3.8 mg/L, from May 28 to June 4, 2008. At BPP, mean daily DOC concentration increased from 7.0 mg/L as of May 28, 2008 to 7.3 mg/L on June 4, 2008.

**Taste and Odor Compounds:** MIB and geosmin were generally low project wide, ranging from non-detect to 10 ng/L.

**Note:**

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientist and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Austine Eke @ 916-653-7227 or Cindy Garcia @ 916-653-7213. To view WQ data from any of the 15 automated stations along the SWP, visit: <http://www.wq.water.ca.gov> and click the "Autostation Data" link on the left side navigation bar.

\*There is no data for Check 29 because work is in progress to fix instrument that appear to be malfunctioning.